5. RECOMMENDED ACTION

5.1 Site CPP-61

It is recommended that Site CPP-61 be a "No Further Action" site. The analytical data show that the average residual PCB contamination at CPP-61 is ≤ 10 ppm. The contaminated area was excavated to 78 in. below ground surface (bgs) and backfilled with excavated soil containing no more than 10 ppm PCB contamination. Based on the data in Table 2-2, much of the soil contained <0.5 ppm PCB, making the average backfill soil much less than 10 ppm.

The residual PCB contamination at CPP-61 is below the 10 ppm agreed to in 1987 with the EPA Region X Office in Seattle for the cleanup. In addition, the residual PCB contamination is below the current spill TSCA cleanup criteria for a low-concentration PCB spill for outdoor electrical substations (≤25 ppm) and restricted access boundary locations (such as INTEC) (≤ 25 ppm); and the soil greater than 10 ppm was removed to 78 in. bgs, which is more than the depth of 10 in. required for a residential area.

5.2 Site CPP-81

It is recommended that Site CPP-81 be a "No Further Action" site. All evidence indicates that no release has occurred at this site and that the potential threat of contamination in the pipe has been removed. The analytical data indicate that the residual levels of cadmium (0.17 mg/kg) and total chromium (0.112 mg/kg) in the pipe are below regulatory concerns (Cd 1.0 mg/L and Cr 5.0 mg/L). The residual level of mercury in the pipe was calculated to be 0.0004 mg/L (see Section 3.5.1 for decontamination calculation) and is below the regulatory concern for mercury of 0.2 mg/L. These residual concentrations are below the 1E-06 and HQ = 1 risk-based concentrations for industrial and residential areas (see Tables 3-4 and 3-5).

5.3 Site CPP-82

It is recommended that no further actions be taken at the locations associated with Site CPP-82.Location A, B-1, B-2, B-3, and C are recommended as "No Further Action" sites.

Location A

All contaminated soil above background (300 cpm, the typical cold area at INTEC in 1987) was identified, collected, and disposed at RWMC. Health physics personnel confirmed that the spill was small and localized; the contamination was easily identified; and all soil showing activity levels above background was removed. Any residual TCE, cadmium, or mercury would be below RCRA hazardous levels, as these are below RCRA hazardous levels in Tank SFE-126 sludge, which collected the wastewater.

Location B

There are no residuals at Locations B-1 and B-3, as the lines at these locations were not ruptured. At Location B-2 about 25 gal of liquid was released from line XW-NL-129167. This line did not contain hazardous or radioactive contaminants and the liquid was maintained at about pH = 7. The levels of any chemicals in the water were below the RCRA hazardous levels. Line CT-NC-125271 contained steam condensate that did not contact any process fluids and remained as treated water; thus, liquid from this line was nonhazardous and nonradioactive.

Location C

Any residual contaminants at Location C from the rupture in line SW-NH-110717 are below the toxicity values for RCRA hazardous metals (all <0.5%of their respective toxicity levels) and below the 1E-06 and HQ = 1 risk-based concentrations for industrial and residential areas (see Tables 4-2 and 4-3). Line SW-NH-110718 contained no hazardous or radioactive contaminants, only minerals already present in the groundwater.

6. REFERENCES

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